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PTO/SB/05 (01-04) Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE

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UTILITY
PATENT APPLICATION
TRANSMITTAL

8021-227 (SS-19246-US) Attorney Docket No. Soon-Hong AHN First Inventor Semiconductor Device Capable.... Title EV 480875151US

(Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. Mail Stop Patent Application Commissioner for Patents APPLICATION ELEMENTS ADDRESS TO: P.O. Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria VA 22313-1450 CD-ROM or CD-R in duplicate, large table or 1. 🔽 Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) 3. X Specification [Total Pages 19 Computer Readable Form (CRF) (preferred arrangement set forth below) Descriptive title of the invention Specification Sequence Listing on: b. - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D CD-ROM or CD-R (2 copies); or - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) Statements verifying identity of above copies - Detailed Description ACCOMPANYING APPLICATION PARTS - Claim(s) - Abstract of the Disclosure 9. X Assignment Papers (cover sheet & document(s)) 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets] 37 CFR 3.73(b) Statement Power of 10. (when there is an assignee) Attorney 5. Oath or Declaration [Total Sheets 11. L English Translation Document (if applicable) a. X Newly executed (original or copy) Information Disclosure Copies of IDS 12. F Statement (IDS)/PTO-1449 Citations Copy from a prior application (37 CFR 1.63(d)) 13. 📖 Preliminary Amendment (for continuation/divisional with Box 18 completed) Return Receipt Postcard (MPEP 503) 14. X (Should be specifically itemized) **DELETION OF INVENTOR(S)** Certified Copy of Priority Document(s) 15. LX_ Signed statement attached deleting inventor(s) (if foreign priority is claimed) name in the prior application, see 37 CFR 16. L Nonpublication Request under 35 U.S.C. 122 1.63(d)(2) and 1.33(b). (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent Card Payment Form PTO-2038 Application Data Sheet. See 37 CFR 1.76 17. X Other: .. for \$842.00 & \$40.00 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation-in-part (CIP) Continuation ■ Divisional of prior application No.: Examiner_ Art Unit: For CONTINUATION OR DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Correspondence address below Customer Number: OR L Name Frank Chau, Esq. F. CHAU & ASSOCIATES, LLC Address 1900 Hempstead Turnpike, Suite 501 Zip Code City State 11554 **New York East Meadow** 516-357-0092 Fax Country Telephone 516-357-0091 USA Registration No. (Attorney/Agent) Name (Print/Type) 46,494 Benjamin M. Halpern Date

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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4/1/04

PTO/SB/17 (10-03) Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known FEE TRANSMITTAL Application Number April 1, 2004 Filing Date Ġ for FY 2004 Soon-Hong AHN First Named Inventor ס Effective 10/01/2003. Patent fees are subject to annual revision. **Examiner Name** Applicant claims small entity status. See 37 CFR 1.27 Art Unit (\$) 882.00 TOTAL AMOUNT OF PAYMENT Attorney Docket No 8021-227 (SS-19246-US) FEE CALCULATION (continued) METHOD OF PAYMENT (check all that apply) 3. ADDITIONAL FEES Check 🗸 Money Other Credit card None Order arge Entity | Small Entity Deposit Account: Fee Fee Fee **Fee Description** Deposit Code (\$) Code (\$) Fee Paid 50-0679 Account 2051 65 Surcharge - late filing fee or oath 1051 130 Number Deposit

Surcharge - late provisional filing fee or 1052 50 2052 F.CHAU & ASSOCIATES, LLC cover sheet Name 130 1053 130 Non-English specification 1053 The Director is authorized to: (check all that apply) 1812 2.520 For filing a request for ex parte reexamination 1812 2.520 Credit any overpayments Charge fee(s) indicated below 1804 920 1804 920* Requesting publication of SIR prior to Charge any additional fee(s) or any underpayment of fee(s) Examiner action Charge fee(s) indicated below, except for the filing fee Requesting publication of SIR after 1805 1,840 1805 1.840* Examiner action to the above-identified deposit account. 1251 110 2251 55 Extension for reply within first month **FEE CALCULATION** Extension for reply within second month 1252 420 2252 1. BASIC FILING FEE 1253 950 2253 475 Extension for reply within third month Large Entity Small Entity Fee Paid Fee Fee Code (\$) **Fee Description** <u>Fee Fee</u> Code (\$) 1254 1.480 2254 740 Extension for reply within fourth month 1255 2,010 2255 1,005 Extension for reply within fifth month 1001 770 2001 385 Utility filing fee 770.00 330 2401 165 Notice of Appeal 1002 340 2002 170 Design filing fee 2402 165 Filing a brief in support of an appeal 1003 530 2003 265 Plant filing fee 1402 330 145 Request for oral hearing 1403 290 2403 1004 770 2004 385 Reissue filing fee 1451 1,510 1451 1,510 Petition to institute a public use proceeding Provisional filing fee 2005 80 1005 160 2452 55 Petition to revive - unavoidable 1452 110 SUBTOTAL (1) (\$) 770.00 1453 1.330 2453 665 Petition to revive - unintentional 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 1,330 2501 665 Utility issue fee (or reissue) Fee from Fee Paid Extra Claims below 1502 480 2502 240 Design issue fee -20** = 4 x 18 72 **Total Claims** 1503 640 2503 320 Plant issue fee Independent 3 =0 x 86 130 Petitions to the Commissioner 1460 130 1460 Multiple Dependent 1807 50 Processing fee under 37 CFR 1.17(q) 1807 50 Large Entity Small Entity 1806 180 1806 180 Submission of Information Disclosure Stmt Fee Description 40 Recording each patent assignment per Fee Code (\$) 40.00 Code (\$) 8021 40 8021 property (times number of properties) Claims in excess of 20 1202 18 2202 385 Filing a submission after final rejection (37 CFR 1.129(a)) 770 2809 1809 Independent claims in excess of 3 1201 86 2201 43 Multiple dependent claim, if not paid 1203 290 2203 145 1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b)) 1204 86 2204 43 ** Reissue independent claims 385 Request for Continued Examination (RCE) over original patent 1801 770 2801 900 1802 900 Request for expedited examination ** Reissue claims in excess of 20 1802 2205 1205 18

**or number prev	ously paid, if greater; For Reissues, see above	Reduced by Basic Filling Fee Fald	SUBTOTA	SUBTOTAL (3) (\$) 40.00			
SUBMITTED BY		(Complete (if applicable))					
Name (Print/Type)	Benjamin M. Halpern	Registration No. (Attorney/Agent) 46,494	Telephon	e 516-357-0091			
Signature	giam. the		Date	4/1/04			

Other fee (specify)

*Reduced by Basic Filing Fee Paid

of a design application

SUBTOTAL (3) (\$) 40.00

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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and over original patent

SUBTOTAL (2)

(\$) 72.00

Atty. Docket No. 8021-227 (SS-19246-US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

APPLICATION FEE TRANSMITTAL

APPLICATION FEE TRANSMITTAL							
Sir:							
Transmitted herewith for filing is the patent application of							
Inventor(s): SOON-HONG AHN, JUNG-HWA LEE							
For: SEMICONDUCTOR DEVICE CAPABLE OF PREVENTING CURRENT FLOW CAUSED BY LATCH-UP AND METHOD OF FORMING THE SAME							
This application is a:							
[X] New Application							
[] Continuation							
[] Continuation-In-Part (CIP)							
[] Divisional							
of co-pending U.S. application Serial No filed on							
CERTIFICATION UNDER 37 C.F.R. § 1.10							

I hereby certify that this Application transmittal and the documents referred to as enclosed are being deposited with the United States Postal Service on this date April 1, 2004 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EV480875151US addressed to: Mail Stop Patent Application, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Benjamin M. Halpern
(Type or print name of person mailing paper)
(Signature of person mailing paper)

Enc	losed	are:							
[X]	11 page(s)		of specification						
[X]	1 page(s)		of Abstract						
[X]	7 page(s)		of claims						
[X]	4 sheets o		of drawings $[X]$ for	rmal [] informal					
[x]	2	page(s)	of Declaration and	Power of Attorney					
[x]	[X] An Assignment of the invention to: SAMSUNG ELECTRONICS CO., LTD								
[] This application claims the benefit under 35 U.S.C. §119(e) of U.S. Provisional Application(s) No(s).:									
APPLICATION NO(S).: FILING DATE									
	[X] Priority under Title 35 United States Code, § 119 is claimed from:								
	Country Appln. No. Filed								
	KOREA		2003-28176	2 May 2003					
		[X] Certified	l copy of which:						
		[X] is e	enclosed						
		[] will	follow.						
Add	itiona	l papers enclo	esed:						
	[] <u>Preliminary Amendment</u> The fees to be charged are to be based on the number of claims remaining as a result of the attached Preliminary Amendment.								
	[]	[] Information Disclosure Statement							
	[] Form PTO-1449								
	LJ	Form PTO-1449							

Fee Calculation (37 C.F.R. §1.16)

For	Number Filed			Number Extra		Rate		ic Fee 770.00
Total								
Claims*	24	-20	_=	4		x \$ 18.00		\$ 72.00
Independent								
Claims	_3	-3	=	00		x \$ 86.00		\$.00
Multiple	[] y	res		Add'l.	Fee	\$290.00		\$
Dependent								
Claims	[X] n	10		Add'l.	Fee	None	=	\$
1								

TOTAL \$ 842.00

- [] Applicant Claims Small Entity Status Under 37 C.F.R. § 1.27. Reduced fees under 37 C.F.R. § 1.9(f) (50% of total) paid herewith \$.00.
- [X] Please charge fee of <u>\$40.00</u> For recording the attached Assignment by Credit Card Payment Form PTO-2038 enclosed herewith.
- [X] Please charge fee of <u>\$842.00</u> to cover the filing fee by Credit Card Payment Form PTO-2038 enclosed herewith
- [] Charge fee to Deposit Account No. 50-0679. Order No. _____ TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

 $^{^\}star$ Includes all independent and single dependent claims and all claims referred to in multiple claims. See 37 C.F.R. § 1.75(c).

Please charge any deficiency as well as any other fee(s) [X] which may become due under 37 C.F.R. § 1.16 and/or 1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 50-0679. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 50-0679 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Relate Back - 35 U.S.C. § 120

Amend the specification by inserting after the Title the sentence:

--This is a [] continuation [] continuation-in-part [] divisional of copending application Serial No. filed on _____, the disclosure of which in its entirety is incorporated-by-reference herein.--

Date: _4/(

SIGNATURE OF ATTORNEY
Benjamin M. Halpern

Reg. No. <u>46,494</u>

F. CHAU & ASSOCIATES, LLC 1900 Hempstead Turnpike, Suite 501 East Meadow, New York 11554 Tel. No. (516) 357-0091 (516) 357-0092 Fax.

FC/BMH:mel